DOCUMENT RESUME

ED 054 932 SE 012 088

TITLE Index to the Understanding the Atom Series.

INSTITUTION Atomic Energy Commission, Oak Ridge, Tenn. Div. of Technical Information.

PUB DATE [71]

NOTE 40p.

AVAILABLE FROM USAEC, P. O. Box 62, Oak Ridge, Tennessee 37830 (Free)

EDRS PRICE MF-$0.65 HC-$3.29

DESCRIPTORS Atomic Theory; *Government Publications; *Indexes (Locaters); *Nuclear Physics; Physical Sciences; *Secondary School Science

ABSTRACT

This index was prepared for the set of 51 booklets in the "Understanding the Atom Series" published by the U. S. Atomic Energy Commission for high school students and their teachers. In addition to the index, a complete list of the series is provided in which the booklets are grouped into the categories of physics, chemistry, biology, nuclear reactors, the environment, and general interest. This listing also indicates if a booklet is advanced (A) or easy (E). The foreign language editions are included in a list of nine booklets available in French and of the 15 available in Spanish. (PR)

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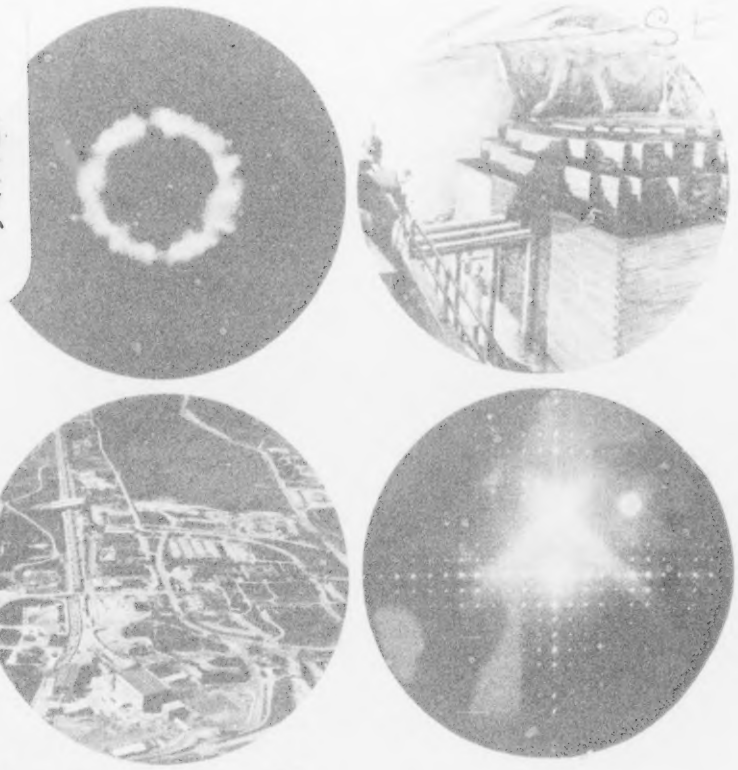

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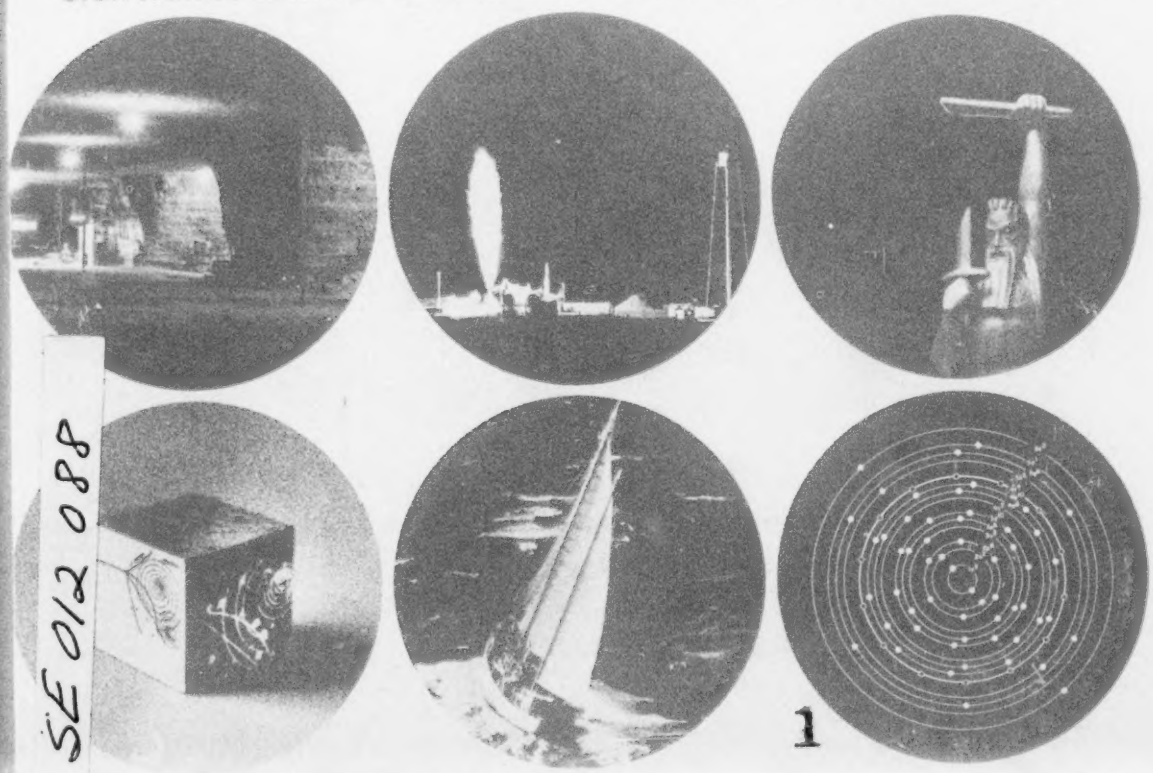

SE 012 088

The Understanding the Atom Series

Nuclear energy is playing a vital role in the life of every man, woman, and child in the United States today. In the years ahead it will affect increasingly all the peoples of the earth. It is essential that all Americans gain an understanding of this vital force if they are to discharge thoughtfully their responsibilities as citizens and if they are to realize fully the myriad benefits that nuclear energy offers them.

The United States Atomic Energy Commission provides this booklet to help you achieve such understanding.

Edward J. Brunenkant

Edward J. Brunenkant, Director
Division of Technical Information

UNITED STATES ATOMIC ENERGY COMMISSION

Dr. Glenn T. Seaborg, Chairman
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Wilfrid E. Johnson
Dr. Theos J. Thompson
Dr. Clarence E. Larson

Index to the Understanding the Atom Series

INTRODUCTION

The U. S. Atomic Energy Commission publishes the Understanding the Atom Series of educational booklets for high school science students and their teachers. This series explains many aspects of nuclear science including its history and applications. These booklets are described on page 30.

Because these 51 booklets cover such a variety of scientific fields, this index was prepared to help the reader find quickly those booklets that contain the information he needs.

The booklets are identified by a lettered code in the index. On the next two pages are lists of the booklets in alphabetical order by title and by code.

Information on obtaining these booklets and other educational materials is on page 30.

CONTENTS

Abbreviation Listing by Title ii

Abbreviation Listing by Code iii

Index 1

Understanding the Atom Series
- English Editions 30
- Foreign Language Editions 32

Other Educational Materials 33

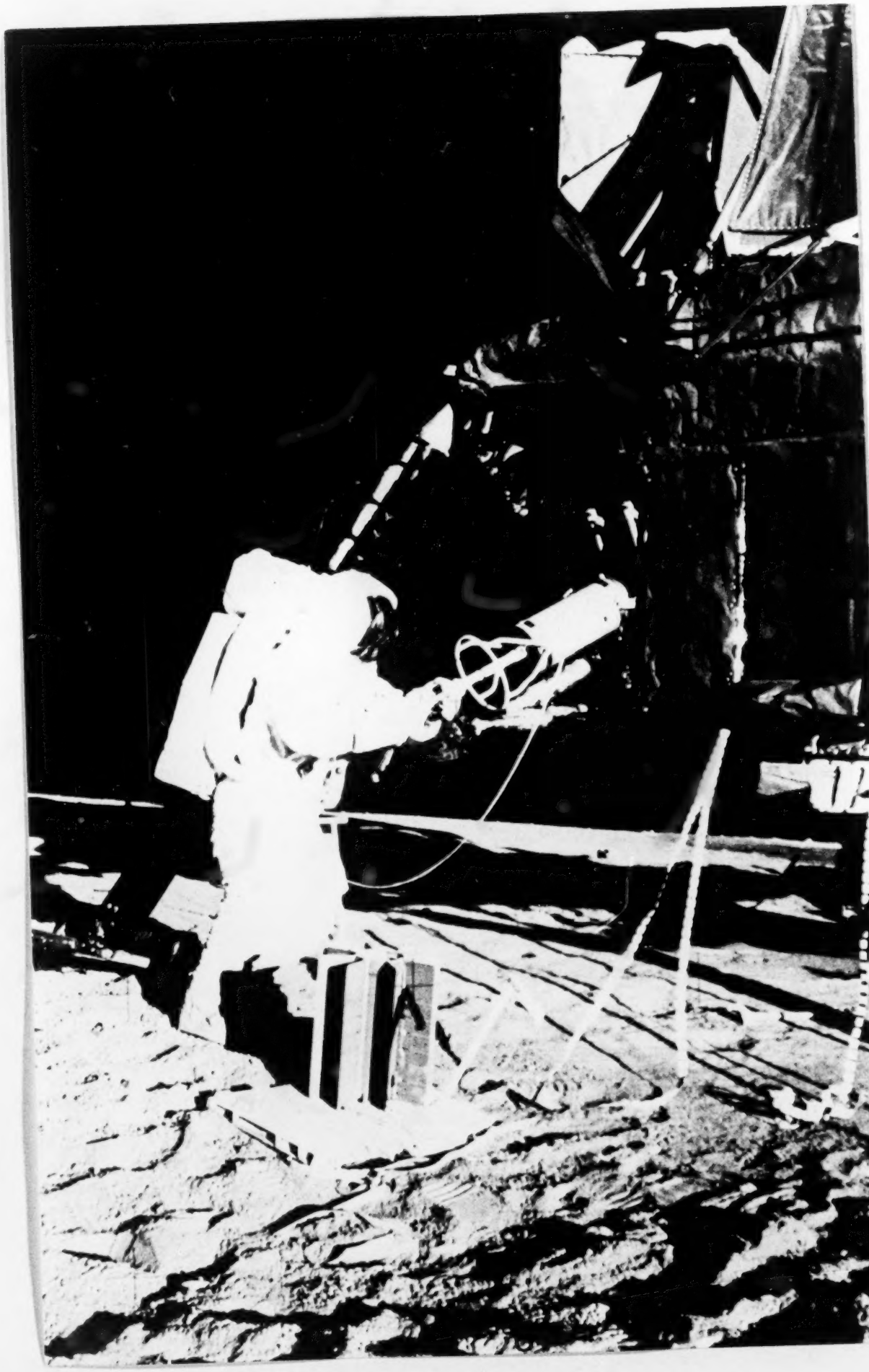
Library of Congress Catalog Card Number: 78-607476

Abbreviation Listing by Title

ACCELERATORS	ACC
ANIMALS IN ATOMIC RESEARCH	AAR
THE ATOM AND THE OCEAN	AAO
ATOMIC FUEL	ATF
ATOMIC POWER SAFETY	APS
ATOMS AT THE SCIENCE FAIR, EXHIBITING NUCLEAR PROJECTS	ASF
ATOMS IN AGRICULTURE	AIA
ATOMS, NATURE, AND MAN	ANM
BOOKS ON ATOMIC ENERGY FOR ADULTS AND CHILDREN	BAE
CAREERS IN ATOMIC ENERGY	CAE
THE CHEMISTRY OF THE NOBLE GASES	CNG
COMPUTERS	COM
CONTROLLED NUCLEAR FUSION	CNF
CRYOGENICS	CRY
DIRECT CONVERSION OF ENERGY	DCE
THE ELUSIVE NEUTRINO	ELN
FALLOUT FROM NUCLEAR TESTS	FNT
THE FIRST REACTOR	FRE
FOOD PRESERVATION BY IRRADIATION	FPI
THE GENETIC EFFECTS OF RADIATION	GER
LASERS	LAS
MICROSTRUCTURE OF MATTER	MSM
THE NATURAL RADIATION ENVIRONMENT	NRE
NEUTRON ACTIVATION ANALYSIS	NAA
NONDESTRUCTIVE TESTING	NDT
NUCLEAR CLOCKS	NCL
NUCLEAR ENERGY FOR DESALTING	NED
NUCLEAR POWER AND THE ENVIRONMENT	NPE
NUCLEAR POWER AND MERCHANT SHIPPING	NPS
NUCLEAR POWER PLANTS	NPP
NUCLEAR PROPULSION FOR SPACE	NPR
NUCLEAR REACTORS	NRC
NUCLEAR TERMS, A GLOSSARY	NTG
OUR ATOMIC WORLD, THE STORY OF ATOMIC ENERGY	OAW
PLOWSHARE	PSH
PLUTONIUM	PLU
POWER FROM RADIOISOTOPES	PFR
POWER REACTORS IN SMALL PACKAGES	PRP
RADIOACTIVE WASTES	RAW
RADIOISOTOPES AND LIFE PROCESSES	RLP
RADIOISOTOPES IN INDUSTRY	RII
RADIOISOTOPES IN MEDICINE	RIM
RARE EARTHS, THE FRATERNAL FIFTEEN	REA
RESEARCH REACTORS	RER
SNAP: NUCLEAR SPACE REACTORS	SNP
SOURCES OF NUCLEAR FUEL	SNF
SPACE RADIATION	SPR
SPECTROSCOPY	SPC
SYNTHETIC TRANSURANIUM ELEMENTS	STE
WHOLE BODY COUNTERS	WBC
YOUR BODY AND RADIATION	YBR

Abbreviation Listing by Code

AAO	THE ATOM AND THE OCEAN
AAR	ANIMALS IN ATOMIC RESEARCH
ACC	ACCELERATORS
AIA	ATOMS IN AGRICULTURE
ANM	ATOMS, NATURE, AND MAN
APS	ATOMIC POWER SAFETY
ASF	ATOMS AT THE SCIENCE FAIR, EXHIBITING NUCLEAR PROJECTS
ATF	ATOMIC FUEL
BAE	BOOKS ON ATOMIC ENERGY FOR ADULTS AND CHILDREN
CAE	CAREERS IN ATOMIC ENERGY
CNF	CONTROLLED NUCLEAR FUSION
CNG	THE CHEMISTRY OF THE NOBLE GASES
COM	COMPUTERS
CRY	CRYOGENICS
DCE	DIRECT CONVERSION OF ENERGY
ELN	THE ELUSIVE NEUTRINO
FNT	FALLOUT FROM NUCLEAR TESTS
FPI	FOOD PRESERVATION BY IRRADIATION
FRE	THE FIRST REACTOR
GER	THE GENETIC EFFECTS OF RADIATION
LAS	LASERS
MSM	MICROSTRUCTURE OF MATTER
NAA	NEUTRON ACTIVATION ANALYSIS
NCL	NUCLEAR CLOCKS
NDT	NONDESTRUCTIVE TESTING
NED	NUCLEAR ENERGY FOR DESALTING
NPE	NUCLEAR POWER AND THE ENVIRONMENT
NPP	NUCLEAR POWER PLANTS
NPR	NUCLEAR PROPULSION FOR SPACE
NPS	NUCLEAR POWER AND MERCHANT SHIPPING
NRC	NUCLEAR REACTORS
NRE	THE NATURAL RADIATION ENVIRONMENT
NTG	NUCLEAR TERMS, A GLOSSARY
OAW	OUR ATOMIC WORLD, THE STORY OF ATOMIC ENERGY
PFR	POWER FROM RADIOISOTOPES
PLU	PLUTONIUM
PRP	POWER REACTORS IN SMALL PACKAGES
PSH	PLOWSHARE
RAW	RADIOACTIVE WASTES
REA	RARE EARTHS, THE FRATERNAL FIFTEEN
RER	RESEARCH REACTORS
RII	RADIOISOTOPES IN INDUSTRY
RIM	RADIOISOTOPES IN MEDICINE
RLP	RADIOISOTOPES AND LIFE PROCESSES
SNF	SOURCES OF NUCLEAR FUEL
SNP	SNAP: NUCLEAR SPACE REACTORS
SPC	SPECTROSCOPY
SPR	SPACE RADIATION
STE	SYNTHETIC TRANSURANIUM ELEMENTS
WBC	WHOLE BODY COUNTERS
YBR	YOUR BODY AND RADIATION



Index to the Understanding the Atom Series

Abacus
  description of, COM 3
Abelson, Phillip H.
  discovery of neptunium, PLU 7, STE 9–11
Absolute zero
  description of, CRY 8–9
Accelerators
    (see also Cyclotrons, Linear accelerators, Synchrocyclotrons, Synchrotrons, and Van de Graaff electrostatic generators)
  beam focusing, ACC 36–37
  development and applications of, ACC 1–52
  future developments in, ACC 46–48
  research applications, ACC 44–45
  with energies greater than 200 Mev, list of, ACC 50–51
Actinium
  atomic number, weight, and symbol, NTG 72
  electronic structure of, REA 23
Actinium-225
  radioactive decay of, NTG 77
Actinium-227
  radioactive decay of, NTG 76
Actinium-228
  radioactive decay of, NTG 76
Activation analysis
    (see Neutron activation analysis)
Age
  determination of materials by radioactive decay of various elements, NCL 1–60
Agriculture
  use of neutron activation analysis in, NAA 4
  use of radioisotopes for radiation sources in, AIA 17–23
  use of radioisotopes in tracer applications in, AIA 1–17
  use of research reactors in, RER 39–40
Aircraft (nuclear powered)
  development of, NRC 28
Alpha decay
  description of, STE 4
Alpha particles
  definition of, PFR 3
  discovery and properties of, ACC 2–3
ALSEP
  development of SNAP-27 for, PFR 9–10, 20–21
Aluminum
  atomic number, weight, and symbol, NTG 72
  concentration in seawater, AAO 16
  electronic structure of, REA 22
  isotopes of, NTG 74
  mechanical properties at low temperatures, CRY 35–36
Americium
  atomic number, weight, and symbol, NTG 72
  discovery of, STE 16–23
  electronic structure of, REA 23
  isotopes of, NTG 75
  isotopes of, availability of, STE 41
  isotopes of, half-life and mode of decay of, STE 39
  production of, STE 33–37
Americium-241
  radioactive decay of, NTG 77
Ammonia
  use as vehicle fuels, PRP 22–23
Analytical techniques
    (see specific analytical techniques, e.g., Isotope dilution, Neutron activation analysis, Spectroscopy, etc.)
Anderson, Herbert L.
  early work with nuclear fission, FRE 7–8, 10
Angstrom
  definition of, SPC 10
Animals
  nutrition and metabolism studies

Nuclear Power on the Moon— November 19, 1969. The SNAP-27 thermoelectric generator is on the ground in front of Astronaut Gordon Bean. This generator provides power (73 watts) for ALSEP (Apollo Lunar Surface Experiments Package). The power is generated by converting heat from the radioactive decay of plutonium-238 into electricity through a thermoelectric process. Bean is removing the plutonium-238 from its container before inserting it into the generator.

of, use of tracer techniques in, AIA 11–14
use in science fair projects, regulations for, ASF 54–55
use in atomic research, AAR 1–52
Antarctic weather station
development of SNAP-7C for, PFR 16–17, 20–21
Antimony
atomic number, weight, and symbol, NTG 72
concentration in seawater, AAO 16
Antineutrons
discovery of, ACC 44
Antiprotons
discovery of, ACC 44
Anthrax
development of vaccine for, AAR 5
Apollo Lunar Surface Experiment Package (ALSEP)
development of SNAP-27 for, PFR 9–10, 20–21
Arctic Drift Barge
design and operation of, AAO 56–57
Arctic weather station
development of SNAP device for, PFR 13–14, 20–21
Argon
atomic number, weight, and symbol, NTG 72
abundance in air at sea level, CNG 2
electronic structure of, CNG 16, REA 22
discovery of, CNG 2–3
formation of clathrate compounds with various materials, CNG 10–11
occurrence of, CNG 4–5
production of, CNG 4–5
Arsenic
atomic number, weight, and symbol, NTG 72
concentration in seawater, AAO 16
determination in hair by neutron activation analysis, NAA 8–11
electronic structure of, REA 22
Arsenic-74
use in the diagnosis of diseases, RIM 14–15
Astatine
atomic number, weight, and symbol, NTG 72
electronic structure of, REA 23
Astatine-215
radioactive decay of, NTG 76
Astatine-217
radioactive decay of, NTG 77
Astatine-218
radioactive decay of, NTG 77
Astron system
plasma confinement by, research on, CNF 43
Atmosphere
shielding properties for space radiation, SPR 3–6
Atomic bomb
(see also Hydrogen bomb, Nuclear explosions, and Nuclear explosives)
development and explosion of first, OAW, 23–25
Atomic energy
(see Nuclear energy)
Atomic Energy Commission
establishment and functions of, OAW 31–32
interest in computers, COM 51–52
Atomic fuel
(see Nuclear fuel)
Atomic nucleus
discovery of, OAW 6–8
Atomic number
definition of, CNG 14
Atomic pile
(see Reactors)
Atomic power
(see Nuclear power)
Atomic structure
theory of, CNG 14–18
Atomic theory
development by John Dalton, OAW 2–3
Atoms
Bohr picture of, SPC 26
orbits, de Broglie explanation of, SPC 30
Autoradiography
industrial applications, RII 23
Axel Heiberg Island
development of SNAP device for use in weather station on, PFR 13–14, 20–21

Babbage, Charles
development of the "difference engine", COM 4–7
Baltimore harbor
lighthouse in, development of SNAP-7B for, PFR 15–16, 20–21
Bananas
radiation preservation of, FPI 51
Banting, Dr. Frederick G.
discovery of insulin, AAR 5–6
Barium
atomic number, weight, and symbol, NTG 72
concentration in seawater, AAO 16

electronic structure of, REA 23
isotopes of, NTG 74
Barium-137
half-life of, NTG 80
Barium-140
half-life of, NTG 80
Batteries (chemical)
development and principles of, DCE 22–23
Batteries (nuclear)
development and principles of, DCE 28–29
Beacons (offshore oil platform)
development of SNAP-7F for, PFR 18–21
Beacons (undersea navigational)
development of SNAP-7E for, PFR 18, 20–21
Becquerel, Antoine Henri
discovery of radioactivity, ACC 2, OAW 5, RIM 2
Beef
radiation preservation of, FPI 11–12
Belgium
nuclear power development, NPP 47
Berkelium
atomic number, weight, and symbol, NTG 72
discovery of, STE 16–23
electronic structure of, REA 23
isotopes of, NTG 75
isotopes of, availability of, STE 41
isotopes of, half-life and mode of decay of, STE 39
production of, STE 33–37
Beryllium
atomic number, weight, and symbol, NTG 72
electronic structure of, CNG 16, REA 22
use in the production of neutron sources for activation analysis work, NAA 22
Beryllium-8
production from ^{7}Li, ACC 7
Berzelius, Jons Jacob
discovery of thorium, SNF 7
Best, Charles H.
discovery of insulin, AAR 5–6
Beta decay
description of, STE 3–4
Beta particles
definition of, PFR 3
discovery and properties of, ACC 2–3
Biology
role in the development of nuclear energy, CAE 13
studies involving man-made radioactivity in environs, ANM 1–54
use of neutron activation analysis in, NAA 13–14
use of research reactors in, RER 37–39
Bismuth
atomic number, weight, and symbol, NTG 72
electronic structure of, REA 23
isotopes of, NTG 74
Bismuth-209
production from radioactive decay of ^{241}Pu, NTG 77
Bismuth-210
radioactive decay of, NTG 77
Bismuth-211
radioactive decay of, NTG 76
Bismuth-212
radioactive decay of, NTG 76
Bismuth-213
radioactive decay of, NTG 77
Bismuth-214
radioactive decay of, NTG 77
Bohr, Niels
early work with nuclear fission, FRE 6–7, SPC 26, 32
Books
on atomic energy, BAE 5–48
Boron
atomic number, weight, and symbol, NTG 72
concentration in seawater, AAO 16
electronic structure of, CNG 16, REA 22
Boron-10
use in the treatment of diseases, RIM 33–35
Buoys (flashing light)
development of SNAP-7A for, PFR 14–15, 20–21
development of SNAP-23 for, PFR 19, 20–21
Brackish water
(see also Seawater)
salt content of, NED 5
Brass
mechanical properties at low temperatures, CRY 35–36
Bromine
atomic number, weight, and symbol, NTG 72
concentration in seawater, AAO 16
electronic structure of, REA 22
isotopes of, NTG 74
Browne, C. I.
discovery of einsteinium, STE 23
discovery of fermium, STE 23

Cadmium
atomic number, weight, and symbol, NTG 72

concentration in seawater, AAO 16
electronic structure of, REA 22
mass spectra of, SPC 42
Calcium
atomic number, weight, and symbol, NTG 72
concentration in seawater, AAO 16
electronic structure of, CNG 16, REA 22
isotopes of, NTG 74
Californium
atomic number, weight, and symbol, NTG 72
discovery of, STE 16–23
electronic structure of, REA 23
isotopes of, NTG 75
isotopes of, availability of, STE 41
isotopes of, half-life and mode of decay of, STE 39
production of, STE 33–37
Canada
nuclear power development, NPP 43–44
Canals
construction of, use of nuclear explosives for, AAO 56, PSH 37–40
Cancer
studies of, use of radioisotopes in, RLP 43–45
Carbon
atomic number, weight, and symbol, NTG 72
concentration in seawater, AAO 16
electronic structure of, REA 22
isotopes of, NTG 74
Carbon-14
reactions for production of, RII 5
uptake from fallout by man, FNT 25–27
use in age determination of old objects, NCL 9–18
Careers
in nuclear energy, CAE 1–22
Carnot efficiency
definition of, DCE 11–12, PFR 32–33
Carnot, Sadi, DCE 11
Cavendish, Henry
discovery of the presence of noble gases in the atmosphere, CNG 2–3
Cells
cycle and gene action of, RLP 37–43
effects of radiation on, YBR 33–42
mitosis of, RLP 8–9
structure of, RLP 4–7
theory of, RLP 2–9
Cerium
atomic number, weight, and symbol, NTG 72
chemistry and separation of, REA 21, 24–29
concentration in seawater, AAO 16
discovery and naming of, REA 11
electrical conductivity of, REA 37–38
electronic structure of, REA 1–5, 15–20, 22–23
magnetic behavior of, REA 33–37
melting point of, REA 32–33
preparation of, REA 29–31
price of, REA 11
uses of, REA 39–42
Cerium-141
half-life of, NTG 80
Cerium-144
half-life of, NTG 80
properties of, PFR 29
uptake from fallout by man, FNT 25–27
use in SNAP-1, PFR 6
Cesium
atomic number, weight, and symbol, NTG 72
concentration in seawater, AAO 16
electronic structure of, REA 23
Cesium-137
half-life of, NTG 80
properties of, PFR 29
reactions for production of, RII 5
uptake from fallout by man, FNT 24–25
use in the treatment of diseases, RIM 41–42
Chadwick, James
discovery of the neutron, OAW 13, ELN 8
Chain reaction
production of first self-sustained, FRE 1–39
Chemical batteries
development and principles of, DCE 22–23
Chemical energy
conversion to other forms of energy, DCE 6–7
Chemical explosives
energy release from, PSH 5–6
Chemistry
role in the development of nuclear energy, CAE 11–13
use of lasers in, LAS 36, 38
use of research reactors in, RER 36–37
Cherries
radiation preservation of, FPI 40
Chicken
radiation preservation of, FPI 11–12

Chlorine
atomic number, weight, and symbol, NTG 72
concentration in seawater, AAO 16
electronic structure of, REA 22
isotopes of, NTG 74
Choppin, G. R.
discovery of mendelevium, STE 23
Chromium
atomic number, weight, and symbol, NTG 72
concentration in seawater, AAO 16
electronic structure of, REA 22
price of, REA 11
Chromium-51
use in the diagnosis of diseases, RIM 15–18
Clams
radiation preservation of, FPI 36–37
Coal
(see Fossil fuels)
Cobalt
atomic number, weight, and symbol, NTG 72
concentration in seawater, AAO 16
electronic structure of, REA 22
isotopes of, NTG 74
Cobalt-57
reactions for production of, RII 5
Cobalt-60
reactions for production of, RII 5
uptake from fallout by man, FNT 25–27
use in the diagnosis of diseases, RIM 18
use in the treatment of diseases, RIM 41–42
Cockcroft, John D.
development of accelerators, ACC 6–7
Communication satellites
development of SNAP-17 for, PFR 11, 20–21
Communications
use of lasers in, LAS 48–51
Compton, Arthur H.
work on the first reactor, FRE 11
Computers
AEC interest in, COM 51–52
birth and development of, COM 2–13
Computers (analog)
design and operating principle, COM 42–46
Computers (digital)
design and operating principle, COM 13–14
Copper
atomic number, weight, and symbol, NTG 72
concentration in seawater, AAO 16
isotopes of, NTG 74
mechanical properties at low temperatures, CRY 35–36
Cosmic rays
discovery and properties of, ACC 4, SPR 1–56
Coulomb barrier
description of, STE 5–8
Crabmeat
radiation preservation of, FPI 36–37, 51
Cratering
use of nuclear explosion in, PSH 12–36
Criminology
use of neutron activation analysis in, NAA 8–11
Cryogenics
(see also Temperature)
technology and uses of, CRY 1–55
Curie, Marie S.
discovery of polonium, RIM 2–3
discovery of radium, ACC 2, RIM 2–3
Curie, Pierre
discovery of polonium, RIM 2–3
discovery of radium, ACC 2, RIM 2–3
Curie point
definition of, DCE 30
Curium
atomic number, weight, and symbol, NTG 72
discovery of, STE 16–23
electronic structure of, REA 23
isotopes of, NTG 75
isotopes of, availability of, STE 41
isotopes of, half-life and mode of decay of, STE 39
production of, STE 33–37
Curium-242
properties, PFR 29
use in SNAP-11, PFR 8–9, 20–21
use in SNAP-13, PFR 20–21
Curium-244
production for use in SNAP devices, PFR 32
properties of, PFR 29
Cyclotrons
development and operating principle of, ACC 19
Czechoslovakia
nuclear power development, NPP 47

Dalton, John
development of atomic structure theory, CNG 14, OAW 2–3

SI 11

Dams
use of nuclear explosions for construction of, PSH 43
Danny Boy Project
description of, PSH 35–36
Dating
use of radioactive decay of various elements for, NCL 1–60
Deep Submergence Research Vehicle (NR-1)
design and operation of, AAO 43–44
Deep Water Isotopic Current Analyzer
design of, AAO 36–37
Desalting
use of nuclear energy for, NED 1–46
Deuterium
atomic number, weight, and symbol, NTG 72
fusion energy of, CNF 3–4
fusion with tritium, CNF 6–8
Dewar, Sir James
development of the Dewar flask, CRY 54
Diabetes
development of treatment for, AAR 5–6
Diamond, H.
discovery of einsteinium, STE 23
discovery of fermium, STE 23
Dielectric materials
definition of, DCE 30
Direct conversion of energy
(see also Chemical batteries, Ferroelectric conversion of energy, Fuel cells, Magneto-hydrodynamic conversion of energy, Nuclear batteries, Radioisotope power generators, Solar cells, Thermionic conversion of energy, Thermo-electric conversion of energy, and Thermomagnetic conversion of energy)
definition of, DCE 3–4
Diseases
diagnosis of, use of radioisotopes in, RIM 31–42
research on, use of animals in, AAR 1–52
treatment of, use of radio-isotopes in, RIM 31–42
Distillation
use in desalting of seawater, NED 21–26
Ditching
use of nuclear explosions for, PSH 25–26
DNA
detection with autoradiography, 20–24
in somatic and germial cells, RLP 15–16
labeling with radioisotopes, RLP 20
replication of, 16–19
Dynamic energy conversion
operating principle, DCE 3–4, PFR-4
Dysprosium
atomic number, weight, and symbol, NTG 72
chemistry and separation of, REA 21, 24–29
discovery and naming of, REA 12
electrical conductivity of, REA 37–38
electronic structure of, REA 1–5, 15–20, 22–23
magnetic behavior of, REA 33–37
melting point of, REA 32–33
preparation of, REA 29–31
uses of, REA 39–42

Earth
age determination of, use of radioisotope decay in, NCL 27–31
East Germany
nuclear power development, NPP 47
Ecology
studies involving man-made radioactivity in environs, ANM 1–54
Economics
of food preservation by irradiation, FPI 48–51
of neutron sources, NAA 22–23
nuclear fuel vs. fossil fuel, ATF 25–28
of nuclear power, NPP 24–25
of nuclear power for desalting, NED 35–39
Education
for careers in atomic energy, CAE 5–11
Einstein, Albert
letter to President Roosevelt on the possibility of nuclear energy, FRE 8–9
mass-energy equation, DCE 9, OAW 14–15
Einsteinium
atomic number, weight, and symbol, NTG 72
discovery of, STE 16–23
electronic structure of, REA 23
isotopes of, NTG 75
isotopes of, availability of, STE 42
isotopes of, half-life and mode of decay of, STE 40
production of, STE 33–37

Electrical energy
conversion to other forms of energy, DCE 6–7
Electrodialysis
use in desalting of seawater, NED 28–29
Electrolytes
definition of, DCE 22
Electromagnetic radiation
emission, mechanism of, SPC 26–29
energy of, SPC 28
frequency and wavelength formula, SPC 11
spectrum of, LAS 5–8, NDT 3, SPC 12–13
wavelength units of, SPC 10–11
wave motion of, SPC 10–11
Electromagnets (high field)
development by use of low-temperature cooling, CRY 38–40
Electromagnets (superconducting)
development and uses, CRY 48–50
Electron
discovery of, CNG 14, OAW 4–5
Electron shells
definition of, CNG 15–18
Electron volt
definition of, ACC 6, DCE 16
Electronics
component development for, use of neutron activation analysis in, NAA 4
Element 104
discovery of, STE 23
Elementary particles
(see also specific elementary particles, e.g., Neutrons, Protons, etc.)
classification of, MSM 37–46, 53–54
discovery and properties of, ELN 1–72
electromagnetic interactions, MSM 24–26
interactions, MSM 22–27
interactions, comparison of, MSM 28
interactions, model of, MSM 29, 32
energy conservation of, MSM 32–37
gravitational interactions, MSM 22–24
nature of, MSM 4–21
strong interactions, MSM 26–27
study of, tools for, MSM 46–53
tracking of, MSM 54–57
weak interactions, MSM 27
Elements
(see also specific elements, e.g., Aluminum, Plutonium, Scandium, etc.)
alphabetical list and symbols of, NTG 72, PLU 41, STE 31
origin of, STE 1–2
periodic table of, CNG 11–14, NTG 71, PLU 40, STE 26, 30
transmutation of, STE 1–8
Energy
need for new sources of, CNF 1
production from fission, NPP 3–4
U. S. consumption trends, ATF 28–29
Energy (chemical)
conversion to other forms of energy, DCE 6–7
Energy (gravitational)
conversion to other forms of energy, DCE 6–7
Energy (electrical)
conversion to other forms of energy, DCE 6–7
Energy (kinetic)
conversion to other forms of energy, DCE 6–7
definition of, DCE 5
Energy (nuclear)
conversion to other forms of energy, DCE 6–7
definition of, DCE 5
Energy (thermal)
conversion to other forms of energy, DCE 6–7
Energy conversion
(see also Dynamic energy conversion and specific energy conversion processes listed under Direct conversion of energy)
laws governing, DCE 8–12
Engineering
role in the development of nuclear energy, CAE 15–16
Engines (heat)
description of, DCE 11–12
Carnot efficiency of, DCE 11–12, PFR 32–33
Enrichment
of uranium by gaseous diffusion, ATF 10–14
Enrico Fermi Laboratory (also called National Accelerator Laboratory)
description of, ACC 49–52
Entropy
concept of, CRY 22–24
Environment
effects of man-made radioactivity on, ANM 1–54
effects of nuclear power plants on, NPE 1–30
natural radiation in, NRE 1–43
Erbium
atomic number, weight, and symbol, NTG 72

chemistry and separation of, REA 21, 24–29
discovery and naming of, REA 12
electrical conductivity of, REA 37–38
electronic structure of, REA 1–5, 15–20, 22–23
magnetic behavior of, REA 33–37
melting point of, REA 32–33
preparation of, REA 29–31
uses of, REA 39–42
European Atomic Energy Community
development of nuclear powered merchant ships, NPS 31–32
Europium
atomic number, weight, and symbol, NTG 72
chemistry and separation of, REA 21, 24–29
discovery and naming of, REA 12
electrical conductivity of, REA 37–38
electronic structure of, REA 1–5, 15–20, 22–23
magnetic behavior of, REA 33–37
melting point of, REA 32–33
preparation of, REA 29–31
price of, REA 11
uses of, REA 39–42
Excavation
use of nuclear explosion in, PSH 12–46
Exhibits (nuclear)
ideas for science fairs, ASF 37–50
preparation and showing at science fairs, ASF 1–35, 50–55
Explosives
(see Chemical explosives and Nuclear explosives)

Fallout
biological effects of, FNT 27–33
local, effects of, FNT 7–10
effects on man's environment, ANM 1–54
pathways to man, FNT 11–27
preventive and remedial measures for, FNT 33–38
production in nuclear explosions, FNT 3–4
worldwide, behavior in the atmosphere, FNT 4–7
Feldspar
nuclear age determination of, NCL 35, 37
Fermi, Enrico
development of the first reactor, FRE 1–39
Fermium
atomic number, weight, and symbol, NTG 72
discovery of, STE 16–23
electronic structure of, REA 23
isotopes of, NTG 75
isotopes of, availability of, STE 42
isotopes of, half-life and mode of decay of, STE 40
production of, STE 33–37
Ferroelectric conversion of energy
development and principles of, DCE 30–31
Fertile material
definition of, ATF 4
Fertilizers
utilization by plants, study by tracer techniques, AIA 4–8
Fields, S. M.
discovery of einsteinium, STE 23
discovery of fermium, STE 23
Fish
potential market for irradiated, FPI 43–46
radiation preservation of, FPI 36–38, 49
Fission
discovery of, FRE 5–6, OAW 21–22
energy production from, NPP 3–4
Fission products
(see also specific fission products, e.g., Iodine-131, Ruthenium-106, etc.)
half-life of, NTG 80
Fissionable material
definition of, ATF 3
Flerov, G. N.
discovery of element 104, STE 23
Floating weather stations
development of SNAP-7D for, PFR 17–18, 20–21
Fluorine
atomic number, weight, and symbol, NTG 72
electronic structure of, REA 22
isotopes of, NTG 74
Fluoroscopy
use in nondestructive testing, NDT 16–17
Food
(see also specific foods, e.g., Bananas, Fish, Potatoes, etc.)
canning of, FPI 5–6
drying of, FPI 4
freezing of, FPI 6–7
radiation preservation of, AIA 19–21, FPI 1–54, OAW 30
spoiling of, FPI 8–9
Food (irradiated)
appearance and taste of, FPI 15–16
packaging of, FPI 16
sale of, government clearance for, FPI 14–15, 17–18

wholesomeness of, FPI 13–14
Food irradiators
development and uses of, FPI 19–35
Food poisoning, FPI 8–9
Forensic science
use of neutron activation analysis in, NAA 8–11
Fossil fuels
cost, comparison with nuclear fuel, ATF 25–28
U. S. reserves, ATF 29–32
Fossils
nuclear age determination of, NCL 40–41
France
nuclear power development, NPP 45–46
Francium
atomic number, weight, and symbol, NTG 72
electronic structure of, REA 23
Francium-221
radioactive decay of, NTG 77
Francium-223
radioactive decay of, NTG 76
Frankland, Sir Edward
development of the valence theory, CNG 11
Freezing
use in desalting of seawater, NED 31–32
use in food preservation, FPI 6–7
Fruit
radiation preservation of, FPI 39–43
Fuel cells
development and principles of, DCE 24–25
Fuel reprocessing
description of, ATF 19–23
Fuels
(see also Fossil fuels and Nuclear fuels)
definition of, DCE 5
Fusion reactions
(see Thermonuclear reactions)

Gadolinium
atomic number, weight, and symbol, NTG 72
chemistry and separation of, REA 21, 24–29
discovery and naming of, REA 12
electrical conductivity of, REA 37–38
electronic structure of, REA 1–5, 15–20, 22–23
magnetic behavior of, REA 33–37
melting point of, REA 32–33
preparation of, REA 29–31
uses of, REA 39–42
Gallium
atomic number, weight, and symbol, NTG 72
electronic structure of, REA 22
Gallium-67
reactions for production of, RII 5
Gamma rays
definition of, PFR 3
discovery and properties of, ACC 2–3
use in nondestructive testing, NDT 11–19
Gaseous diffusion plants
location of, ATF 14
use for enrichment of uranium, ATF 10–14
Gauging
use of radioisotopes in, RII 10–19
Geissler, Heinrich
development of vacuum tube, OAW 3–4
Genetics
effects of radiation on, GER 1–46
Geology
role in the development of nuclear energy, CAE 15
use of neutron activation analysis in, NAA 13–14
use of nuclear age determinations in, NCL 41–48
Germanium
atomic number, weight, and symbol, NTG 72
electronic structure of, REA 23
Germs
discovery of, AAR 4–5
Ghiorso, A.
discovery of americium, STE 22
discovery of berkelium, STE 22
discovery of californium, STE 22
discovery of curium, STE 22
discovery of einsteinium, STE 23
discovery of fermium, STE 23
discovery of lawrencium, STE 23
discovery of mendelevium, STE 23
discovery of nobelium, STE 23
Glasses
mechanical properties at low temperatures, CRY 35–36
Gnome Project
description of, PSH 24–32
Gold
atomic number, weight, and symbol, NTG 72
concentration in seawater, AAO 16
isotopes of, NTG 74
price of, REA 11
Gold-198
use in the treatment of diseases, RIM 37–38

Gravitational energy
conversion to other forms of energy, DCE 6–7
Great Britain
(see United Kingdom)
Green salt
(see Uranium fluoride (UF_4))
Groves, Leslie R.
appointed commander of the Manhattan Engineering District, FRE 13
Gulf of Mexico
offshore oil platforms in, development of SNAP-7F for use in navigational beacons on, PFR 18–19, 20–21
Gunpowder
determination of residues on hand of suspect by neutron activation analysis, NAA 10

Hafnium
atomic number, weight, and symbol, NTG 72
electronic structure of, REA 23
Hahn, Otto
discovery of fission, OAW 21–22 FRE 5–6
Hair
analysis for arsenic by neutron activation analysis, NAA 8–11
Half-life
definition of, NAA 3, PFR 3
Hanstein, H. B.
early work with nuclear fission, FRE 7–8, 10
Harbors
construction of, use of nuclear explosives for, AAO 55–56, PSH 43
Hardhat Project
description of, PSH 35
Harvey, B. G.
discovery of mendelevium, STE 23
Harvey, William
study of the circulatory system, AAR 2–3
Heat engines
Carnot efficiency of, DCE 11–12
description of, DCE 11–12
Helium
abundance in air at sea level, CNG 2
atomic number, weight, and symbol, NTG 72
discovery of, CNG 4, SPC 22
electronic structure of, CNG 16, REA 22
isotopes of, NTG 74
occurrence of, CNG 4–5
production of, CNG 4–5
use in airships, CNG 7–8
use in breathing systems for deep-sea divers, CNG 9
use in reactors as cooling medium, CNG 7, 9
Helium (liquid)
properties of, CRY 42–48
use in cryogenics, CNG 9
Hevesy, George
neutron activation experiments, NAA 3
Heredity
process of, GER 1–10
Higgins, G. H.
discovery of einsteinium, STE 23
discovery of fermium, STE 23
Hirsch, A.
discovery of einsteinium, STE 23
discovery of fermium, STE 23
Holmium
atomic number, weight, and symbol, NTG 72
discovery and naming of, REA 12
chemistry and separation of, REA 21, 24–29
electrical conductivity of, REA 37–38
electronic structure of, REA 1–5, 15–20, 22–23
magnetic behavior of, REA 33–37
melting point of, REA 32–33
preparation of, REA 29–31
uses of, REA 39–42
Holography
development and uses of, LAS 20–23
Hornblende
nuclear age determination of, NCL 39
Huizenga, J. R.
discovery of einsteinium, STE 23
discovery of fermium, STE 23
Hydrogen
atomic number, weight, and symbol, NTG 72
electronic structure of, CNG 16
electronic structure of, REA 22
isotopes of, NTG 74
spectra of, SPC 25
Hydrogen (liquid)
properties and uses of, CRY 30–34
Hydrogen bomb
development of, OAW 26–27
Hydrophobia
(see Rabies)

India
nuclear power development, NPP 47
Indium
atomic number, weight, and symbol, NTG 72

concentration in seawater, AAO 16
electronic structure of, REA 22
Industry
use of radioisotopes in, RII 1–46
Inert gases
(see Nobel gases)
Inheritance
process of, GER 1–10
Insects
control by radiosterilization, AIA 21
studies of, use of tracer techniques in, AIA 15–17
Insulin
discovery of, AAR 5–6
International Atomic Energy Agency
establishment of, OAW 33–34
Iodine
atomic number, weight, and symbol, NTG 72
concentration in seawater, AAO 16
electronic structure of, REA 22
isotopes of, NTG 74
Iodine-129
half-life of, PFR 3
Iodine-131
half-life of, NTG 80
uptake from fallout by man, FNT 16–19
use in the diagnosis of diseases, RIM 18–23
use in thyroid studies, OAW 30
use in the treatment of diseases, RIM 32–33
Iodine-132
half-life of, NTG 80
use in the treatment of diseases, RIM 32–33
Ionization potential
definition of, CNG 19
Ionosphere
shielding properties for space radiation, SPR 6–8
Iridium
atomic number, weight, and symbol, NTG 72
electronic structure of, REA 23
Iridium (radioactive)
use in industrial radiography, OAW 30
Iron
atomic number, weight, and symbol, NTG 72
isotopes of, NTG 74
Iron-55
uptake from fallout by man, FNT 25–27
Iron-59
uptake from fallout by man, FNT 25–27
Irradiation facilities
development for food processing, FPI 19–35
Iron
concentration in seawater, AAO 16
electronic structure of, REA 22
Iron-59
use in the diagnosis of diseases, RIM 23–24
Isotope dilution
use in nuclear age-determination, NCL 31–33
Isotope power generators
(see Radioisotope power generators)
Isotopes
(see also Radioisotopes)
definition of, PFR 2
discovery of, OAW 9–10
Italy
nuclear power development, NPP 47

James, R. A.
discovery of americium, STE 22
discovery of curium, STE 22
Japan
development of nuclear powered merchant ships, NPS 33
nuclear power development, NPP 47
Jenner, Edward
development of smallpox vaccine, AAR 3
Joliot-Curie, Frederic
discovery of artificial radioactivity, RIM 4–5
Joliot-Curie, Irene
discovery of artificial radioactivity, RIM 4–5
Joule
definition of, DCE 16

Klaproth, Martin Heinrich
discovery of uranium, SNF 1–3
Kaye, Albert
attempt to react krypton and xenon with fluorine, CNG 10
Keesom, W. H.
discovery of superfluidity, CRY 41
Kennedy, Joseph W.
discovery of plutonium, PLU 7–8, STE 11–12
Kinetic energy
conversion to other forms of energy, DCE 6–7
definition of, DCE 5
King Eric XIV
arsenic determination in hair of, NAA 8–9
Krypton
abundance in air at sea level, CNG 2

atomic number, weight, and symbol, NTG 72
discovery of, CNG 4
electronic structure of, REA 22
formation of clathrate compounds with various materials, CNG 10–11
occurrence of, CNG 4–5
production of, CNG 4–5
Krypton difluoride (KrF_2)
crystal structure of, CNG 34
preparation of, CNG 32
properties of, CNG 33
Krypton tetrafluoride (KrF4)
preparation of, CNG 32

Laboratories (orbiting)
development of advanced SNAP devices for, PFR 11–12
Lanthanum
atomic number, weight, and symbol, NTG 72
chemistry and separation of, REA 21, 24–29
discovery and naming of, REA 11
electrical conductivity of, REA 37–38
electronic structure of, REA 1–5, 15–20, 22–23
magnetic behavior of, REA 33–37
melting point of, REA 32–33
preparation of, REA 29–31
price of, REA 11
uses of, REA 39–42
Lanthanum-140
half-life of, NTG 80
Larsh, A. E.
discovery of lawrencium, STE 23
Lasers
development and uses of, LAS 1–52
Latimer, R. M.
discovery of lawrencium, STE 23
Law of Definite Proportions, OAW 2
Law of Multiple Proportions, OAW 2
Lawrencium
atomic number, weight, and symbol, NTG 72
discovery of, STE 16–23
isotopes of, NTG 75
isotopes of, availability of, STE 42
isotopes of, half-life and mode of decay of, STE 41
production of, STE 33–37
Lead
atomic number, weight, and symbol, NTG 72
concentration in seawater, AAO 16
isotopes of, NTG 74
price of, REA 11
Lead-206
production from radioactive decay of ^{238}U, NTG 77
Lead-207
production from radioactive decay of ^{235}U, NTG 76
Lead-208
production from radioactive decay of ^{232}Th, NTG 76
Lead-209
radioactive decay of, NTG 77
Lead-210
radioactive decay of, NTG 77
Lead-211
radioactive decay of, NTG 76
Lead-212
radioactive decay of, NTG 76
Lead-214
radioactive decay of, NTG 77
Lemons
radiation preservation of, FPI 39–40
Level gauges
development and application of radioisotopic, RII 16–18
Levi, Hilde
neutron activation experiments, NAA 3
Lewis, G. N.
work with electronic theory, CNG 16–17
Libraries
use of, BAE 2–4
Licensing and regulation
of nuclear power plants, APS 29–32
Light
production and properties of, LAS 14–18
spectrum of visible, SPC 11
Light (coherent)
production and properties of, LAS 19–28
Lighthouses
development of SNAP-7B for, PFR 15–16, 20–21
development of SNAP-23 for, PFR 19, 20–21
Linear accelerators
development and operating principle of, ACC 38–43
Lithium
atomic number, weight, and symbol, NTG 72
concentration in seawater, AAO 16
electronic structure of, CNG 16, REA 22
isotopes of, NTG 74
Lithium-7
transmutation to ^{8}Be, ACC 7

Lutetium
atomic number, weight, and symbol, NTG 72
chemistry and separation of, REA 21, 24–29
discovery and naming of, REA 12
electrical conductivity of, REA 37–38
electronic structure of, REA 1–5, 15–20, 22–23
magnetic behavior of, REA 33–37
melting point of, REA 32–33
preparation of, REA 29–31
price of, REA 11
uses of, REA 39–42

Magnesium
atomic number, weight, and symbol, NTG 72
concentration in seawater, AAO 16
electronic structure of, REA 22
isotopes of, NTG 74
Magnetic fields
plasma confinement by, research on, CNF 14–47
Magnetic mirror systems
plasma confinement by, research on, CNF 33
Magnetohydrodynamic conversion of energy
development and operating principle of, DCE 19–22
Magnetopause
shielding properties for space radiation, SPR 8–10
Man
biological effects of fallout on, FNT 27–33
effects of radiation on, YBR 1–70
fallout uptake, pathways of, FNT 11–27
whole body counters for, WBC 1–33
Manganese
atomic number, weight, and symbol, NTG 72
concentration in seawater, AAO 16
electronic structure of, REA 22
Manganese-54
reactions for production of, RII 5
Mangoes
radiation preservation of, FPI 41, 51
Manhattan Engineering District
establishment of, FRE 13, OAW 23
Manning, W. M.
discovery of einsteinium, STE 23
discovery of fermium, STE 23
Mars
development of radioisotope power generators for manned and unmanned missions to, PFR 11–12, 20–21
Mass-energy equation, DCE 9, OAW 14–15
Mass spectrometer
design of, SPC 41–43
development of, NCL 2
use to separate neon isotopes, OAW 10
Mass spectrometry
use in nuclear age-determination methods, NCL 33–34
Materials
nondestructive testing of, NDT 1–35
Mathematics
role in the development of nuclear energy, CAE 17–18
Matter
microstructure of, MSM 1–57
properties at low temperatures, CRY 35–40
McMillan, Edwin M.
discovery of neptunium, PLU 7
discovery of plutonium, STE 9–11
Mech, J. F.
discovery of einsteinium, STE 23
discovery of fermium, STE 23
Mechanical energy
(see Kinetic energy)
Medicine
(see also Diseases)
research on, use of animals in, AAR 1–52
role in the development of of nuclear energy, CAE 18–20
use of lasers in, LAS 34
use of neutron activation analysis in, NAA 13–14
use of radioisotopes in, RIM 1–46
use of research reactors in, RER 37–39
Meitner, Lise
discovery of fission, OAW 21–22, FRE 5-6
Mendeleev, Dmitri
development of the Periodic Table, CNG 11–14
Mendelevium
atomic number, weight, and symbol, NTG 72
discovery of, STE 16–23
electronic structure of, REA 23
isotopes of, NTG 75
isotopes of, availability of, STE 42
isotopes of, half-life and mode of decay of, STE 40
production of, STE 33–37

Merchant vessels
description of N. S. Savannah, NPS 8–31
development of nuclear powered, NPS 1–36
development of SNAP devices for use in navigational aids for, PFR 14–16, 18–21
use of enriched fuels in nuclear powered, ATF 4
Mercury
atomic number, weight, and symbol, NTG 72
concentration in seawater, AAO 16
isotopes of, NTG 74
price of, REA 11
Metallurgy
use of neutron activation analysis in, NAA 4
Metals
electrical properties at low temperatures, CRY 36–38
Mica
nuclear age determination of, NCL 35–36
Military
development of SNAP-15A for, PFR 19, 20–21
Milling
of uranium ores, ATF 8
Minerals
determination in seawater by neutron activation analysis, AAO 40
determination in seawater by X-ray fluorescence, AAO 40–41
nuclear age determination of, NCL 35–40
Mining
(see also Uranium ores and uranium mines)
use of nuclear explosions in, PSH 41
Molybdenum
atomic number, weight, and symbol, NTG 72
concentration in seawater, AAO 16
electronic structure of, REA 22
Molybdenum-99
half-life of, NTG 80
Moon
development of radioisotope power generators for landing missions on, PFR 8–10, 20–21
surface analysis by neutron activation analysis, NAA 11–13
Morgan, L. O.
discovery of americium, STE 22
Mutations
process of, GER 10–21
radiation induced, AIA 18–19, OAW 31, GER 33–46
Napoleon
arsenic determination in hair of, NAA 8
National Accelerator Laboratory
(see Enrico Fermi Laboratory)
National Aeronautics and Space Administration
establishment of, NPR 16
Natural gas
recovery of, use of nuclear explosions in, PSH 42
Natural radiation environment
description of, NRE 1–43
Navigational aids
(see also specific navigational aids, e.g., Beacons, Buoys, and Lighthouses)
development of SNAP devices for, PFR 14–16, 18–21
Navagational buoy (flashing light)
development of SNAP-7A for, PFR 14–15, 20–21
development of SNAP-23 for, PFR 19, 20–21
Navy Oceanographic and Meteorological Automatic Device (NOMAD)
development of SNAP-7D for, PFR 17–18, 20–21, AAO 45–51
Neodymium
atomic number, weight, and symbol, NTG 72
chemistry and separation of, REA 21, 24–29
discovery and naming of, REA 11
electrical conductivity of, REA 37–38
electronic structure of, REA 1–5, 15–20, 22–23
magnetic behavior of, REA 33–37
melting point of, REA 32–33
preparation of, REA 29–31
uses of, REA 39–42
Neodymium-147
half-life of, NTG 80
Neon
abundance in air at sea level, CNG 2
atomic number, weight, and symbol, NTG 72
discovery of, CNG 4
electronic structure of, CNG 16
electronic structure of, REA 22
occurrence of, CNG 4–5
production of, CNG 4–5
use in advertising signs, CNG 7
Neptunium
atomic number, weight, and symbol, NTG 72
discovery of, PLU 7, STE 9–11
electronic structure of, REA 23
isotopes of, NTG 74
isotopes of, availability of, STE 40

isotopes of, half-life and mode of decay of, STE 38
Neptunium-237
radioactive decay of, NTG 77
Neutrinos
discovery and properties of, ELN 1–72
Neutron activation analysis
comparison with other analytical techniques, NAA 7–8
development and principles of, NAA 1–4, 16–26
experiment with, outline of, NAA 4–6
neutron sources for, NAA 19–23
sensitivity, comparison with other analytical methods, NAA 7–8
sensitivity for various elements, NAA 18–19
use in agriculture, NAA 4
use in the analysis of moon samples, NAA 11–13
use in biology and medicine, NAA 13–14, RIM 30
use in criminology, NAA 8–11
use in geological studies, NAA 14–15
use in seawater analysis for minerals, AAO 40
use of spectroscopy in, SPC 50–52
Neutron sources
development for activation analysis work, NAA 19–23
economics of, NAA 22–23
production from underground nuclear explosions, PSH 45
use of plutonium for production of, PLU 33
Neutrons
discovery of, OAW 13
production and uses of, RER 5–7
Nickel
atomic number, weight, and symbol, NTG 72
concentration in seawater, AAO 16
electronic structure of, REA 22
isotopes of, NTG 74
Nier, A. O. C.
development of the mass spectrometer, NCL 2
Niobium
atomic number, weight, and symbol, NTG 72
electronic structure of, REA 22
Niobium-95
half-life of, NTG 80
Nitrogen
atomic number, weight, and symbol, NTG 72
isotopes of, NTG 74
Nitrogen (liquid)
properties and uses of, CRY 29–30
Nitrogen-12
half-life of, PFR 3
Nobelium
atomic number, weight, and symbol, NTG 72
discovery of, STE 16–23
isotopes of, NTG 75
isotopes of, availability of, STE 42
isotopes of, half-life and mode of decay of, STE 40
production of, STE 33–37
Noble gases
(see also Argon, Helium, Krypton, Neon, Radon, and Xenon)
chemistry of, CNG 1–44
discovery of, CNG 2–4
early history of, CNG 10–11
occurrence of, CNG 4–7
preparation of compounds with, CNG 18–43
production of, CNG 4–7
properties of, CNG 11–18
properties of compounds of, CNG 33–43
uses of, CNG 7–9, 43–44
NOMAD
development of SNAP-7D for, PFR 17–18, 20–21, AAO 45–51
Nondestructive testing
description and theory of, NDT 1–4
future prospects for, NDT 30–35
growth and development of, NDT 7–10
penetrant techniques for, NDT 27–30
penetrating-radiation techniques for, NDT 11–19
reasons for using, NDT 4–7
ultrasonic techniques for, NDT 20–26
Norway
development of nuclear powered merchant ships, NPS 33–34
nuclear power development, NPP 47
Nuclear batteries
development and principles of, DCE 28–29
Nuclear bomb
(see also Hydrogen bomb, Nuclear explosions, and Nuclear explosives)
development and explosion of first, OAW 23–25
Nuclear energy
books on, BAE 5–48
careers in, CAE 1–22
chronology of development, OAW 18–19

conversion to other forms of energy, DCE 6–7
development of, role of engineering in, CAE 15–16
development of, role of geology in, CAE 15
development of, role of mathematics in, CAE 17–18
development of, role of medicine in, CAE 18–20
development of, role of physics in, CAE 11–13
description of, OAW 15–17
Nuclear explosions
(see also specific applications of nuclear explosions)
development and detonation of first, OAW 23–25
effects on man's environment, ANM 1–54
fallout from, FNT 1–39
peaceful applications of, AAO 55–56, PSH 1–51
Nuclear explosives
energy release from, PSH 6–11
Nuclear fuels
(see also Reactor fuel elements, Uranium, and Plutonium)
cost, comparison with fossil fuel, ATF 25–28
definition of, ATF 3–5
description of Phoenix, PLU 30
reprocessing of spent, ATF 19–23
solid vs. fluid form, ATF 4
sources of, SNF 1–65
U. S. reserves of, ATF 32
utilization of, ATF 33–37
Nuclear fusion reactions
(see Thermonuclear reactions)
Nuclear power
cost, NPP 24–25
description of, APS 1–3
Nuclear power plants
(see Reactors (power) and specific power reactors, e.g., Reactors (Big Rock Point))
Nuclear rockets
(see Reactors (rocket))
N. S. *Savannah*
description of, NPS 8–13
description of emergency power system for, NPS 20
description of nuclear power plant for, NPS 14–19
insurance for, NPS 30–31
port acceptance of, NPS 27–28
radioactive wastes from, NPS 17
safety of, NPS 26
servicing of, NPS 26–27
training of crew members for, NPS 29–30
Nuclear ships
(see Ships (nuclear powered))
Nuclear terms
glossary of, NTG 1–66

Oceans
(see also Seawater)
area of, AAO 6
current measurements in, AAO 36–37, 41
depth of, AAO 6
exploration of, development of energy for, AAO 3–5
mineral contents, AAO 10, 16
mineral determination in, by neutron activation analysis, AAO 40
mineral determination in, by X-ray fluorescence, AAO 40–41
movement of, AAO 7–10
oxygen analyzer for, AAO 39–40
radionuclides in, effects on plant and animal life of, AAO 13–35
sediment density probe, AAO 38–39
Oil
(see Fossil fuels and Petroleum)
Oil platforms (offshore)
use of SNAP-7F for use in navigational beacons on, PFR 18–19, 20–21
Onions
sprouting of, inhibition by radiation, FPI 11
Onnes, H. Kamerlingh
discovery of superconductivity, CRY 41
Orange oxide
(see Uranium oxide (UO_3))
Oranges
radiation preservation of, FPI 39–40
Orbiting laboratories
development of advanced SNAP devices for, PFR 11–12
Osmium
atomic number, weight, and symbol, NTG 72
electronic structure of, REA 23
Osmosis (reverse)
use in desalting of seawater, NED 29–31
Oxygen
atomic number, weight, and symbol, NTG 72
determination in seawater, AAO 39–40
electronic structure of, REA 22
isotopes of, NTG 74

Palladium
atomic number, weight, and symbol, NTG 72

electronic structure of, REA 22
price of, REA 11
Papayas
radiation preservation of, FPI 41, 50
Particles
(see also Alpha particles, Beta particles, and Elementary particles)
wavelength associated with, SPC 31
Pascal, Blaise
development of mechanical computer, COM 4–5
Pasteur, Louis
development of anthrax vaccine, AAR 5
development of rabies vaccine, AAR 5
Peaches
radiation preservation of, FPI 40
Periodic Table, CNG 11–14, NTG 71, PLU 40, STE 26, 30
Petroleum
recovery of, use of nuclear explosions in, PSH 40–41
Petroleum industry
use of radioisotopes in, RII 27–32
Phoenix fuels
description of, PLU 30
Phosphorus
atomic number, weight, and symbol, NTG 72
concentration in seawater, AAO 16
electronic structure of, REA 22
Phosphorus-32
use in the diagnosis of diseases, RIM 24–25
use in the treatment of diseases, RIM 35–37
Physics
role in the development of nuclear energy, CAE 11–13
use of lasers in, LAS 38–41
use of research reactors in, RER 34–36
Pinch effect
plasma confinement by, research on, CNF 24–28
Planets
development of radioisotope power generators for manned and unmanned missions to, PFR 11–12, 20–21
Plants
diseases of, study by tracer techniques, AIA 8–11
nutrition and metabolism studies of, use of tracer techniques in, AIA 4–8
radiation-induced mutations in, AIA 18–19, OAW 31
Plasma
definition of, DCE 17
production and study of, use of laser beams for, LAS 38–40
use in controlled thermonuclear research, CNF 10–47
Plastic industry
use of radiation in, RII 35–36
Plastics
mechanical properties at low temperatures, CRY 35–36
Platinum
atomic number, weight, and symbol, NTG 72
electronic structure of, REA 23
isotopes of, NTG 74
price of, REA 11
Plowshare Project
(see also specific Plowshare Projects and specific application of nuclear explosions)
development, PSH 1–51
Plutonium
atomic number, weight, and symbol, NTG 72
discovery of, FRE 10, PLU 6–8, STE 11–13
electronic structure of, REA 23
isotopes of, NTG 75
isotopes of, availability of, STE 41
isotopes of, half-life and mode of decay of, STE 38–39
naming of, PLU 8
production of, PLU 8–16
production for nuclear weapons, STE 13–14
Plutonium-233
half-life of, PLU 4
Plutonium-238
production for use in SNAP devices, PFR 32
properties of, PFR 29
use in advanced type of radioisotope power generators for satellites and interplanetary probes, PFR 11–12
use in the production of neutron sources for activation analysis work, NAA 22
use in radioisotope power generators, OAW 30, PLU 32–33
use in SNAP-3A, PFR 7–8, 20–21
use in SNAP-9A, 20–21
use in SNAP-15A, PFR 19, 20–21
use in SNAP-19, PFR 10–11
use in SNAP-27, PFR 9–10, 20–21
Plutonium-239
chemical properties of, PLU 21–22

fabrication of, PLU 18–19
fission of, PLU 4–6
half-life of, PLU 3–4
handling of, PLU 34–39
nuclear properties of, PLU 19–21
physical properties of, PLU 22–27
production from ^{238}U, ATF 3, 34–35
separation from uranium and fission products, PLU 16–17
natural occurrence of, PLU 13
production of, PLU 8–16
uptake from fallout by man, FNT 25–27
uses of, PLU 27–32
Plutonium-240
production of, PLU 240
half-life of, PLU 3
production of, PLU 14
radioactive decay of, NTG 77
Plutonium-244
half-life of, PLU 4
Polonium
atomic number, weight, and symbol, NTG 72
discovery of, RIM 2–3
electronic structure of, REA 23
Polonium-210
production for use in SNAP devices, PFR 32
properties of, PFR 29
radioactive decay of, NTG 77
use in advanced type of radioisotope power generators for satellites and interplanetary probes, PFR 11–12
use in the production of neutron sources for activation analysis work, NAA 22
use in SNAP-3, PFR 6, 20–21
use in SNAP-9A, PFR 20–21
Polonium-211
radioactive decay of, NTG 76
Polonium-212
radioactive decay of, NTG 76
Polonium-213
radioactive decay of, NTG 77
Polonium-214
radioactive decay of, NTG 77
Polonium-215
radioactive decay of, NTG 76
Polonium-216
radioactive decay of, NTG 76
Polonium-218
radioactive decay of, NTG 77
Pork
radiation preservation of, FPI 11–12
Potassium
atomic number, weight, and symbol, NTG 72
concentration in seawater, AAO 16
electronic structure of, CNG 16, REA 22
isotopes of, NTG 74
Potassium-40
determination in human bodies, instruments for, WBC 10–13
Potatoes
sprouting of, inhibition by radiation, FPI 11
Potential energy
definition of, DCE 5
Praseodymium
atomic number, weight, and symbol, NTG 72
chemistry and separation of, REA 21, 24–29
discovery and naming of, REA 11
electrical conductivity of, REA 37–38
electronic structure of, REA 1–5, 15–20, 22–23
magnetic behavior of, REA 33–37
melting point of, REA 32–33
preparation of, REA 29–31
uses of, REA 39–42
Praseodymium-143
half-life of, NTG 80
Praseodymium-144
half-life of, NTG 80
Promethium
atomic number, weight, and symbol, NTG 72
chemistry and separation of, REA 21, 24–29
discovery and naming of, REA 11–12
electrical conductivity of, REA 37–38
electronic structure of, REA 1–5, 15–20, 22–23
magnetic behavior of, REA 33–37
melting point of, REA 32–33
preparation of, REA 29–31
uses of, REA 39–42
Promethium-147
half-life of, NTG 80
properties of, PFR 29
Promethium-149
half-life of, NTG 80
Propane thermoelectric generator
development of, DCE 15
Propulsion
development of nuclear rockets for space missions, NPR 1–56
development of reactors for aircraft, NRC 28
development of reactors for ships and submarines, NPS 1–36
Protactinium
atomic number, weight, and symbol, NTG 72
electronic structure of, REA 23

Protactinium-231
radioactive decay of, NTG 76
Protactinium-233
radioactive decay of, NTG 77
Protactinium-234
radioactive decay of, NTG 77
Protons
discovery of, OAW 9
Pyle, G. L.
discovery of einsteinium, STE 23
discovery of fermium, STE 23

Quantum fluids
description of, CRY 41–50
Quantum mechanics
definition of, CNG 15
development of, SPC 33
theory of, CRY 55

Rabies
development of vaccine for, AAR 5
Rad
definition of, FNT 27, FPI 11, YBR 15–16
Radiation
definition of, RIM 5
discovery of, OAW 5
effects on genetics, GER 1–46
effects on living organisms, YBR 1–70
effects on living organisms, use of animals for study of, AAR 9–41
natural, effect on the environment, NRE 1–43
space, origin, and nature of, SPR 1–56
use in science fair projects, safety of, ASF 50–51
Radiation detection instruments
design and use of whole body counter, WBC 1–33
medical applications, RIM 44–46
Radiation dosimetry
description of, 17–20
Radiation preservation
of foods, AIA 19–21, FPI 1–54, OAW 30
Radiation processing, RII 35–37
Radiation protection, YBR 23–24
Radiation sickness
description of, GER 32–33
Radiation sources
use in agricultural research, AIA 17–22
use in industry, RII 1–46
Radioactive decay
(see Alpha decay, Beta decay, and as subheading under specific radioisotopes, e.g., Actinium-227, Uranium-235, etc.)
Radioactive materials
use in science fair projects, safety of, ASF 50–51
Radioactive wastes
classification according to levels of radioactivity, RAW 11–12
nature of, RAW 3–4
potential effects of radioactivity from, RAW 12–14, 38–39
sources of, RAW 4–11, 40–42
storage of, ATF 23–25
Radioactive wastes (gaseous)
management of, RAW 20–22
Radioactive wastes (liquid)
management of high level, RAW 24–36
management of low and intermediate level, RAW 15–20, 36–38
Radioactive wastes (solid)
management of, RAW 22–24
Radioactivity
definition of, RIM 5
determination in human bodies, instruments for, WBC 10–13
discovery of, ACC 2, OAW 5, RIM 2
discovery of artificial, NAA 3, RIM 4
effects on man's environment, ANM 1–54
release from nuclear power plants, NPE 6–11
Radioactivity (artificial)
discovery of, NAA 3, RIM 4
Radiography
industrial applications, RII 19–23
use in nondestructive testing, NDT 11–19
use of radioactive iridium in, OAW 30
Radioisotope power generators
(see also Thermoelectric conversion of energy)
advance type, development for use in satellites and interplanetary probes, PFR 11–12, 20–21
construction and operating principle, PFR 25–37
development of first, PFR 1–2, 20–21
development for use in Arctic weather station, PFR 13–14, 20–21
fuel forms for, PFR 30
fuel production for, PFR 30–32
fuels for, selection of, PFR 28–30
future outlook for, PFR 25
operating principle, PFR 4–6
safety in space applications, PFR 22–24

safety in terrestrial applications, PFR 24–25
SNAP-1, development of, PFR 6
SNAP-3, development of, DCE 14–15, PFR 6, 20–21
SNAP-3A, development for satellite applications, PFR 7–8, 20–21
SNAP-7A, development for navigational bouys, PFR 14–15, 20–21
SNAP-7B, development for light houses, PFR 15–16, 20–21, AAO 47–50
SNAP-7C, development for Antarctic weather station, PFR 16–17, 20–21
SNAP-7D, development for floating weather station, PFR 17–18, 20–21, AAO 45–47
SNAP-7E, development for undersea navigational beacon, PFR 18, 20–21, AAO 47–48
SNAP-7F, development for use in navigational aids on offshore oil platforms, PFR 18–19, 20–21
SNAP-11, development for surveyor lunar landing missions, PFR 8–9, 20–21
SNAP-13, development of, PFR 20–21
SNAP-15A, development for military applications, PFR 19
SNAP-17, development for communication satellites, PFR 11, 20–21
SNAP-19, development for Nimbus-B weather satellite, PFR 10–11, 20–21
SNAP-21, development for undersea applications, PFR 19
SNAP-23, development for use on land, buoys, or lighthouses, PFR 19, 20–21
SNAP-27, development for Apollo Lunar Surface Experiment Package, PFR 9–10, 20–21
SNAP-50, DCE 10
use in oceanographic instruments, AAO 41–42
use in oceanographic instruments, AAO 45–52
use of ^{238}Pu in, PLU 32–33
Radioisotopes
(see also specific radioisotopes, e.g., Gold-198, Iron-59, Rhodium-106, etc.)
characteristics and uses, PFR 2–3
definition of, RIM 6–7
discovery of, PFR 2
production of, RII 4–5
production as fuels for SNAP devices, PFR 30–32
sale of, RII 39
selection as fuels for SNAP devices, PFR 28–30
suppliers of, ASF 51–52, RHB 19–20
use in industrial processes, RII 1–46
use in medicine, RIM 1–46
use in the production of neutron sources for activation analysis work, NAA 22
use as radiation sources, RIM 7–9
use as radiation sources in agricultural research, AIA 17–23
use in radiation therapy, PFR 3
use in study of life processes, RLP 1–46
use in thickness gauges, RII 10–19
use in tracer applications, AAI 1–17, PFR 4, RIM 7–9
uses of, OAW 29–31
Radiopasteurization
of foods, AIA 19–21, FPI 1–54, OAW 30
Radiosterilization
control of insects by, AIA 21, AAR 38–40
Radium
atomic number, weight, and symbol, NTG 72
concentration in seawater, AAO 16
discovery of, ACC 2, RIM 2–3
electronic structure of, REA 23
isotopes of, NTG 74
Radium-223
radioactive decay of, NTG 76
Radium-224
radioactive decay of, NTG 76
Radium-225
radioactive decay of, NTG 77
Radium-226
radioactive decay of, NTG 77
Radium-228
radioactive decay of, NTG 76
Radon
abundance in air at sea level, CNG 2
atomic number, weight, and symbol, NTG 72
electronic structure of, REA 23
isotopes of, NTG 74
occurrence of, CNG 5–7
use as gamma-ray sources, CNG 9
Radon-219
radioactive decay of, NTG 76
Radon-220
radioactive decay of, NTG 76

Radon-222
radioactive decay of, NTG 77
Radon fluoride
preparation of, CNG 32
uses of, CNG 44
Ramsay, Sir William
discovery of argon, CNG 2–3
discovery of helium, CNG 4
discovery of krypton, CNG 4
discovery of neon, CNG 4
discovery of xenon, CNG 4
Rare earths
(see also specific rare earths)
chemistry and separation of, REA 21, 24–29
definition of, REA 5–6
electronic structure of, REA 13–20
location in the Periodic Table, REA 6–7
physical properties of, REA 32–38
preparation of metals of, REA 29–31
uses of, REA 39–42
Rare gases
(see Noble gases)
Rayleigh, Lord
discovery of argon, CNG 2–3
Reactor cores
description of, NPP 18–21
Reactor fuel elements
(see also Nuclear fuels)
fabrication of, ATF 14–19
Reactor fuel elements (spent)
reprocessing of, ATF 19–23
Reactor pressure vessels
description of, NPP 17–18
Reactor primary coolant systems
description of, NPP 21
Reactors
description and classification of, NPP 5–14, RER 7–14
design and operating principles of, NRC 2–13
development of the first, FRE 1–39
safety of, APS 1–37, NRC 34–36
use in the production of neutron sources for activation analysis work, NAA 19
Reactors (aircraft propulsion)
development of, NRC 28
Reactors (AM-1)
description of, NPP 47
Reactors (Big Rock Point)
description of, NPP 38
Reactors (boiling water)
characteristics of, NRC 38–39
operating principle of, NPP 7–8
Reactors (Bonus)
description of, NPP 32
Reactors (breeder)
description of, ATF 34–35
operating principle of, NPP 12–14
Reactors (Calder Hall)
description of, NPP 44–45
Reactors (Carolina–Virginia Tube)
description of, NPP 39
Reactors (Chinon)
description of, NPP 45–46
Reactors (converters)
description of, ATF 33–34
Reactors (Douglas Point)
description of, NPP 43–44
Reactors (Dounreay)
description of, NPP 45
Reactors (Dresden)
description of, NPP 28
Reactors (dual purpose)
description of, NPP 48
development for desalination of seawater, NED 1–46
Reactors (Elk River)
description of, NPP 34
Reactors (Enrico Fermi)
description of, NPP 31
Reactors (fast breeder)
characteristics of, NRC 41
Reactors (gas-cooled)
operating principle of, NPP 9–10
Reactors (heavy water)
characteristics of, NRC 40
operating principle of, NPP 11–12
Reactors (high temperature gas-cooled)
characteristics of, NRC 38–39
Reactors (Humboldt)
description of, NPP 36
Reactors (Indian Point)
description of, NPP 30
Reactors (Kiwi-A)
development and testing of, NPR 14
Reactors (Kiwi-B)
development and testing of, NPR 16
Reactors (NRX)
development and testing of, NPR 18
Reactors (La Crosse)
description of, NPP 40
Reactors (liquid metal cooled)
characteristics of, NRC 41
Reactors (materials testing)
description of, NRC 15–16
Reactors (MH-1A)
description and use of, PRP 10–11
Reactors (ML-1)
description and use of, PRP 10–11
Reactors (mobile high power)
development of, PRP 1–24
Reactors (mobile low power)
development of, PRP 1–24
Reactors (molten salt)
characteristics of, NRC 40

Reactors (NERVA)
development of, NRC 32
development and testing of, NPR 21–50, NRC 32
Reactors (Nine Mile Point)
description of, NPP 41–42
Reactors (Novovoronezh)
description of, NPP 47–48
Reactors (N. S. Savannah)
design and operation of, NPS 14–19
Reactors (nuclear superheating)
characteristics of, NRC 40
Reactors (Oldbury)
description of, NPP 45
Reactors (Pathfinder)
description of, NPP 35
Reactors (Peach Bottom)
description of, NPP 33, 52
Reactors (Piqua)
description of, NPP 37
Reactors (PM-1)
description and use of, PRP 10–11
Reactors (PM-2A)
description and use of, PRP 10–11
Reactors (PM-3A)
description and use of, PRP 10–11
Reactors (portable medium power)
development of, PRP 1–24
Reactors (power)
accidents, prevention of, APS 18–25
accidents, radioactivity containment from, APS 25–29
AEC operating experience, NPE 24–28
control of radioactive material during operation of, APS 13–18
description of U. S., NPP 26–42
description of various components of, NPP 15–23
development for civilian use, NRC 19–22
development for military use, NRC 22–24
development in foreign countries, NPP 43–47
effects of radioactivity release on environment, NPE 6–11
licensing and regulation of, APS 29–32
operating experience of, APS 32–35, NPP 3–4, PRP 9
safety of, APS 4–13
safety of, research on, APS 35–37
thermal effects on environment, NPE 11–24
Reactors (pressurized water)
characteristics of, NRC 38–39
operating principle of, NPP 8–9
Reactors (process heat)
development of, NRC 24
Reactors (production)
description of, NRC 16–19
Reactors (research)
definition of, RER 3–6
development and uses of, RER 1–43
description of, NRC 13–14
experimental facilities for, RER 34–40
safety of, RER 14–15
types of, RER 15–34
use in the production of neutron sources for activation analysis work, NAA 19–20
Reactors (rocket)
(see also Reactors (Kiwi-A, Reactors (Kiwi-B), and Reactors (NRX))
chronology of development of, NPR 10
development of, NRC 31–32
development for space missions, NPR 1–56
operating principle of, NPR 2–9
Reactors (ship propulsion)
development of, NPS 1–36, NRC 24–27
Reactors (Shippingport)
description of, NPP 27
Reactors (SL-1)
description and use of, PRP 10–11
Reactors (SM-1)
description and use of, PRP 10–11
Reactors (SM-1A)
description and use of, PRP 10–11
Reactors (SNAP)
development for space applications, SNP 1–44
Reactors (SNAP-2)
design and applications of, SNP 8–9
development of, NRC 29
Reactors (SNAP-4)
design and applications of, SNP 8–9
Reactors (SNAP-6)
design and applications of, SNP 8–9
Reactors (SNAP-8)
design and applications of, SNP 8–9
development of, NRC 29–30
Reactors (SNAP-10)
design and applications of, SNP 8–9
Reactors (SNAP-10A)
development of, NRC 29, 31
Reactors (SNAP-50)
design and applications of, SNP 8–9

development of, NRC 30, 33
Reactors (stationary low power)
development of, PRP 1–24
Reactors (stationary medium power)
development of, PRP 1–24
Reactors (teaching)
description of, NRC 14, RER 40–42
Reactors (Yankee)
description of, NPP 29
Rem
definition of, FNT 27–28, YBR 16
Reverse osmosis
use in desalting of seawater, NED 29–31
Rhenium
atomic number, weight, and symbol, NTG 72
electronic structure of, REA 23
Rhodium
atomic number, weight, and symbol, NTG 72
Rhodium-103
half-life of, NTG 80
Rhodium-106
half-life of, NTG 80
RNA
detection of, RLP 27–35
detection with autoradiography, RLP 27
labeling with radioisotopes, RLP 26–27
types of, RLP 25–26
Rockets
chronology of development of, NPR 10
Rockets (nuclear)
(see Reactors (rocket))
Rocks
nuclear age determination of, NCL 39–40
Roentgen
definition of, AIA 19
Roentgen, Wilhelm Konrad
discovery of radiation, OAW 5
discovery of X rays, ACC 2, RIM 1
Rubidium
atomic number, weight, and symbol, NTG 72
concentration in seawater, AAO 16
electronic structure of, REA 22
Rubidium-87
use in age determination of old objects, NCL 20–23
Russia
(see Soviet Union)
Ruthenium
atomic number, weight, and symbol, NTG 72
electronic structure of, REA 22
Ruthenium-103
half-life of, NTG 80
Rutherford, Ernest
alpha particle-scattering experiment, ACC 3
discovery of the atomic nucleus, OAW 6–8
discovery of transmutation, OAW 11

Safety
of nuclear power plants, APS 1–37, NRC 34–36
of science fair projects involving radiation, ASF 50–51
of SNAP devices, PFR 22–25
Samarium
atomic number, weight, and symbol, NTG 72
chemistry and separation of, REA 21, 24–29
discovery and naming of, REA 12
electrical conductivity of, REA 37–38
electronic structure of, REA 1–5, 15–20, 22–23
magnetic behavior of, REA 33–37
melting point of, REA 32–33
preparation of, REA 29–31
uses of, REA 39–42
Sanidine
nuclear age determination of, NCL 39
Satellites
development of SNAP-1 for, PFR 6
development of SNAP-3 for, PFR 6, 20–21
development of SNAP-3A for, PFR 7–8, 20–21
development of SNAP-9A for, PFR 8, 20–21
Satellites (communications)
development of advanced SNAP devices for, PFR 11–12
development of SNAP-17 for, PFR 11, 20–21
Satellites (meteorological)
development of advanced SNAP devices for, PFR 11–12
Satellites (Nimbus-B weather)
development of SNAP-19 for, PFR 10–11, 20–21
Scandium
atomic number, weight, and symbol, NTG 72
electronic structure of, CNG 16, REA 22
Scholarships
for scientific careers, CAE 6–7
Science (nuclear)
careers in, CAE 1–22
Science fairs
preparation and showing of exhibits at, ASF 1–35, 50–55

project ideas for, ASF 37–50
Seaborg, Glenn T.
discovery of americium, STE 22
discovery of berkelium, STE 22
discovery of californium, STE 22
discovery of curium, STE 22
discovery of einsteinium, STE 23
discovery of fermium, STE 23
discovery of mendelevium, STE 23
discovery of nobelium, STE 23
discovery of plutonium, PLU 7–8, STE 11–13
Seafoods
radiation preservation of, AAO 54–55, FPI 36–38, 43–46
Seawater
(see also Oceans)
desalting, development of nuclear power plants for, NPP 48
desalting by distillation, NED 21–26
desalting by electrodialysis, NED 28–29
desalting by freezing, NED 31–32
desalting by reverse osmosis, NED 29–31
desalting of, use of nuclear power for, AAO 52–54, NPP 48
mineral content, determination by neutron activation analysis, AAO 40
mineral content, determination by X-ray fluorescence, AAO 40–41
mineral content, value of, NED 27
salt content of, NED 5
Sedan Project
description of, PSH 32–34
Selenium
atomic number, weight, and symbol, NTG 72
concentration in seawater, AAO 16
electronic structure of, REA 22
Semiconductor
definition of, DCE 13–14
Ships
development of SNAP devices for use in navigational aids for, PFR 14–16, 18–21
Ships (nuclear powered)
(see also N. S. Savannah)
development of, NPS 1–36, NRC 24–27
use of enriched fuel in, ATF 4
Shrimp
radiation preservation of, FPI 37–38
Silicon
atomic number, weight, and symbol, NTG 72
concentration in seawater, AAO 16
electronic structure of, REA 22
Silver
atomic number, weight, and symbol, NTG 72
electronic structure of, REA 22
isotopes of, NTG 74
price of, REA 11
Sikkeland, T.
discovery of lawrencium, STE 23
discovery of nobelium, STE 23
Silver
concentration in seawater, AAO 16
Smallpox
development of vaccine for, AAR 3
Smith, H. L.
discovery of einsteininum, STE 23
discovery of fermium, STE 23
SNAP devices
(see Reactors (SNAP) and as subheading under radioisotope power generators)
Soddy, Frederick
discovery of isotopes, OAW 9–10
Sodium
atomic number, weight, and symbol, NTG 72
concentration in seawater, AAO 16
electronic structure of, CNG 16, REA 22
isotopes of, NTG 74
spectra of, SPC 20
Sodium-22
reactions for production of, RII 5
Sodium-24
use in the diagnosis of diseases, RIM 24–25
Solar cells
development and principle of, DCE 25–27
Soviet Union
development of nuclear powered merchant ships, NPS 31–32
nuclear power development, NPP 45–46
Space
development of SNAP reactors for use in, PFR 6–12, 22–24
development of thermionic power for use in, DCE 18–19
nuclear propulsion for, NPR 1–56
radiation from, origin and nature of, SPR 1–55
Spain
nuclear power development, NPP 47
Spectra
absorption, SPC 20
emission, SPC 20
line, SPC 19–24
origin and interpretation of, SPC 25–29, 36

US 39

Spectrophotometers
infrared, uses of, SPC 37–40
Spectroscopes
optical, design of, SPC 7–9
X ray, design of, SPC 34–35
Spectroscopy
alpha scattering, SPC 49–50
discovery of, SPC 4–6
fluorescence, SPC 44–45
magnetic, SPC 46–49
Raman, SPC 52
resonance, SPC 52–55
use for activation analysis, SPC 50–52
Spence, R. W.
discovery of einsteinium, STE 23
discovery of fermium, STE 23
Stainless steel
mechanical properties at low temperatures, CRY 35–36
Stellarator systems
plasma confinement by, research on, CNF 28–32
Strawberries
radiation preservation of, FPI 41–42
Street, K.
discovery of californium, STE 22
Strontium
atomic number, weight, and symbol, NTG 72
concentration in seawater, AAO 16
electronic structure of, REA 22
Strontium-89
half-life of, NTG 80
Strontium-90
half-life of, NTG 80, PFR 3
properties of, PFR 29
uptake from fallout by man, FNT 19–24
use in SNAP-7A, PFR 18, 20–21
use in SNAP-7B, PFR 15–16, 20–21
use in SNAP-7C, PFR 18, 20–21
use in SNAP-7E, PFR 18, 20–21
use in SNAP-7F, PFR 18, 20–21
use in SNAP-17, PFR 11, 20–21
use in SNAP-21, PFR 19
use in SNAP-23, PFR 19
use in SNAP device for Arctic weather station, PFR 13–14, 20–21
Strontium-90 titanate
production for use in SNAP devices, PFR 30–32
Strutt, John W.
(see Lord Rayleigh)
Studier, M. H.
discovery of einsteinium, STE 23
discovery of fermium, 23
Submarines (nuclear powered)
development of merchant, NPS 35–36
Sulfur
atomic number, weight, and symbol, NTG 72
concentration in seawater, AAO 16
electronic structure of, REA 22
isotopes of, NTG 74
Sun
spectrum of, SPC 21
Superconducting magnets
development and uses of, CRY 4–5
Superconductivity
description of, AAO 41–50
discovery of, AAO 41
Superfluidity
description of, CRY 41–50
discovery of, CRY 41
Sweden
development of nuclear powered merchant ships, NPS 33–34
nuclear power development, NPP 47
Swimsuits
design of radioisotope heated, AAO 35
Switzerland
nuclear power development, NPP 47
Synchrocyclotrons
development and operating principle of, ACC 19
Synchrotrons (electron)
development and operating principle of, ACC 30–35
Synchrotrons (proton)
development and operating principle of, ACC 22–29
Systems for Nuclear Auxiliary Power
(see Radioisotope power generators and Reactors (SNAP))
Szilard, Leo
early work with nuclear fission, FRE 7–8, 10

Tantalum
atomic number, weight, and symbol, NTG 72
electronic structure of, REA 23
Technetium
atomic number, weight, and symbol, NTG 72
electronic structure of, REA 22
Technetium-99*m*
use in the diagnosis of diseases, RIM 26–27
Tellurium
atomic number, weight, and symbol, NTG 72

electronic structure of, REA 22
Tellurium-132
half-life of, NTG 80
Temperature
absolute zero, description of, CRY 8–9
creation of low, CRY 17–24
maintaining of low, CRY 25–28
measurement devices for, CRY 9–12
measurement scales for, CRY 9–12
Terbium
atomic number, weight, and symbol, NTG
chemistry and separation of, REA 21, 24–29
discovery and naming of, REA 12
electrical conductivity of, REA 37–38
electronic structure of, REA 1–5, 15–20, 22–23
magnetic behavior of, REA 33–37
melting point of, REA 32–33
preparation of, REA 29–31
price of, REA 11
uses of, REA 39–42
Terms
glossary of nuclear, NTG 1–80
Testing
(see Nondestructive testing)
Thallium
atomic number, weight, and symbol, NTG 72
Thallium-206
radioactive decay of, NTG 77
Thallium-207
radioactive decay of, NTG 76
Thallium-208
radioactive decay of, NTG 76
Thallium-209
radioactive decay of, NTG 77
Thallium-210
radioactive decay of, NTG 77
Thermal effects
of nuclear power plants on environment, NPE 11–24
Thermal energy
conversion to other forms of energy, DCE 6–7
Thermal fusion
(see Thermonuclear reactions)
Thermionic conversion of energy
development and principles of, DCE 16–19, PFR 5–6
Thermionic converters
efficiency of, PFR 32–33
geometry of, problems associated with, PFR 35–36
operating principle of, PFR 34–35
Thermodynamics
First and Second Law of, DCE 8–12
Thermoelectric conversion of energy
(see also Radioisotope power generators and Propane thermoelectric generators)
development and principles of, DCE 12–15, PFR 4
Thermoelectric converters
efficiency of, PFR 32–33
operating principle of, PFR 33–34
Thermomagnetic conversion of energy
development and principles of, DCE 31–32
Thermometers
description of, CRY 9–12
Thermonuclear reactions
discovery and development of, OAW 26–28
research and development on controlled, CNF 1–47
Thickness gauges
development and applications of radioisotopic, RII 10–19
Thompson, S. G.
discovery of berkelium, STE 22
discovery of californium, STE 22
discovery of einsteinium, STE 23
discovery of fermium, STE 23
discovery of mendelevium, STE 23
Thomson, Joseph J.
discovery of the electron, OAW 4–5
Thorium
atomic number, weight, and symbol, NTG 72
concentration in seawater, AAO 16
conversion to ^{233}U, ATF 4, 34–35
discovery of, SNF 7
isotopes of, NTG 74
Thorium-227
radioactive decay of, NTG 76
Thorium-228
radioactive decay of, NTG 76
Thorium-229
radioactive decay of, NTG 77
Thorium-230
radioactive decay of, NTG 77
Thorium-231
radioactive decay of, NTG 76
Thorium-232
radioactive decay of, NTG 76
Thorium-234
radioactive decay of, NTG 77
Thorium ores
U. S. reserves of, ATF 32
Thulium
atomic number, weight, and symbol, NTG 72
chemistry and separation of, REA 21, 24–29
discovery and naming of, REA 12
electrical conductivity of, REA 37–38

electronic structure of, REA 1–5, 15–20, 22–23
magnetic behavior of, REA 33–37
melting point of, REA 32–33
preparation of, REA 29–31
price of, REA 11
uses of, REA 39–42
Thulium-170
use in the diagnosis of diseases, RIM 27–28
Tin
atomic number, weight, and symbol, NTG 72
concentration in seawater, AAO 16
electronic structure of, REA 22
isotopes of, NTG 74
Titanium
atomic number, weight, and symbol, NTG 72
electronic structure of, CNG 16, REA 22
price of, REA 11
Tomatoes
radiation preservation of, FPI 41
Tracer techniques
industrial applications, RII 23–35
use in agricultural research, AIA 1–17
Transition elements
definition of, CNG 17
Transmutation
discovery of, OAW 11–12
Transplutonium elements
production by underground nuclear explosions, PSH 44–45
production of, STE 33–37
Transuranium elements
(see also specific transuranium elements, e.g., Americium, Plutonium, etc.)
atomic number, weight, and symbol, NTG 73
discovery of, STE 1–24
importance of, STE 25–32
Travers, Morris
discovery of neon, CNG 4
discovery of krypton, CNG 4
discovery of xenon, CNG 4
Tritium
atomic number, weight, and symbol, NTG 72
fusion with deuterium, CNF 6–8
reactions for production of, RII 5
use in determination of total body water, RIM 28–29
Tungsten
atomic number, weight, and symbol, NTG 72
concentration in seawater, AAO 16
electronic structure of, REA 22
Ultrasonic testing
development and applications of, NDT 20–26
United Kingdom
development of nuclear power, NPP 43–44
development of nuclear powered merchant ships, NPS 33
Uranium
atomic number, weight, and symbol, NTG 72
concentration in seawater, AAO 16
discovery of, SNF 1–3
electronic structure of, REA 23
future production and uses of, REA 52–58
isotopes of, NTG 74
production of metal from ores, SNF 42–44
use in imparting color in ceramics, SNF 3–4
use in reactors, REA 46–47
Uranium (enriched)
definition of, ATF 4
production by gaseous diffusion, ATF 10–14
use as atomic fuel, advantages of, ATF 4
use in nuclear ships, ATF 4
Uranium (natural)
enrichment by gaseous diffusion, ATF 10–14
isotopic composition of, ATF 3
production of, ATF 6–14
use as atomic fuel, ATF 4
Uranium-233
production from Th, 4, 34–35
radioactive decay of, NTG 77
Uranium-234
radioactive decay of, NTG 77
Uranium-235
fission of, ATF 3, OAW 22
presence in natural uranium, ATF 3
radioactive decay of, NTG 76
separation from ^{238}U by gaseous diffusion, ATF 10–14
use in age determination of minerals, NCL 24–26
Uranium-238
conversion to ^{239}Pu, ATF 3, 34–35
presence in natural uranium, ATF 3
radioactive decay of, NTG 77
separation from ^{235}U by gaseous diffusion, ATF 10–14
use in age determination of old objects, NCL 20–23
Uranium carbide
use in high-temperature reactors, ATF 16

Uranium concentrate (U_3O_8)
conversion to UO_3, ATF 9
production from uranium ores, ATF 8
refining of, SNF 42–44
Uranium fluoride (UF_4)
conversion to UF_6, ATF 10
production from UO_2, ATF 9
Uranium fluoride (UF_6)
conversion to UO_2, ATF 15–16
enrichment by gaseous diffusion, ATF 10–14
production from UF_4, ATF 10
Uranium mines
safety standards of, REA 46–47, SNF 48–51
Uranium ores
milling of, ATF 8, SNF 38–42
mining of, ATF 6–8, SNF 32–37
occurrence of, SNF 14–25
prospecting for, SNF 9–13, 26–31
U. S. reserves of, ATF 29–32
Uranium oxide (UO_2)
conversion to UF_4, ATF 9
fabrication into reactor fuel elements, ATF 16–19
production from UF_6, ATF 15–16
production from UO_3, ATF 9
Uranium oxide (UO_3)
conversion to UO_2, ATF 9
production from U_3O_8, ATF 9
Uranium oxide (U_3O_8)
(see Uranium concentrate (U_3O_8))

Vaccines
development of anthrax, AAR 5
development of rabies, AAR 5
Vacuum tube
development of, OAW 3–4
Valence
definition of, CNG 11
Van Allen radiation belt
description of, SPR 1–2, 38–46
Van de Graaff electrostatic generator
development and operating principle of, ACC 8–10
use in the production of neutron sources for activation analysis work, NAA 21–22
Vanadium
atomic number, weight, and symbol, NTG 72
concentration in seawater, AAO 16
electronic structure of, REA 22
Vehicles
use of nuclear energy to manufacture ammonia fuels for, PRP 22–23
Venus
development of radioisotope power generators for manned and unmanned missions to, PFR 11–12, 20–21

Wahl, Arthur C.
discovery of plutonium, PLU 7–8, STE 11–13
Walton, Ernest T. S.
development of accelerators, ACC 6–7
Walton, J. R.
discovery of nobelium, STE 23
Water (fresh)
production from brackish and seawater, use of nuclear energy for, NED 1–46
salt content of, NED 5
U. S. consumption of, NED 4
U. S. needs for, NED 33–34
Water supplies
construction of, use of nuclear explosions in, PSH 43
Wave mechanics
(see Quantum mechanics)
Wear
determination in piston rings using radioisotopes, RII 25–26
Weather satellites
development of SNAP-19 for, PFR 10–11, 20–21
Weather station (Antarctic)
development of SNAP-7C for, PFR 16–17, 20–21
Weather stations (Arctic)
development of SNAP device for, PFR 13–14, 20–21
Weather stations (floating)
development of SNAP-7D for, PFR 17–18, 20–21
Welding (micro)
use of lasers in, LAS 35
West Germany
development of nuclear power, NPP 47
development of nuclear powered merchant ships, NPS 33
Whole body counters
design and use of, WBC 1–33
Work function
definition of, DCE 16

X-ray fluorescence analysis
use in seawater analysis for minerals, AAO 40–41
X rays
discovery of, ACC 2, RIM 1
use in nondestructive testing, NDT 11–19

Xenon
abundance in air at sea level, CNG 2
atomic number, weight, and symbol, NTG 72
discovery of, CNG 4
electronic structure of, REA 23
formation of clathrate compounds with various materials, CNG 10–11
occurrence of, CNG 4–5
Xenon-133
half-life of, NTG 80
Xenon difluoride (XeF_2)
chemical and physical properties of, CNG 27
crystal structure of, CNG 34
molecular structure of, CNG 37–43
preparation of, CNG 23, 26–27
reaction with other fluorides to form addition compounds, CNG 31
uses of, CNG 43–44
Xenon fluoroplatinate ($XePtF_6$)
preparation of, CNG 18–20
Xenon hexafluoride (XeF_6)
chemical and physical properties of, CNG 27
crystal structure determination of, CNG 34
molecular structure of, CNG 35–43
preparation of, CNG 23, 26–27
reaction with other fluorides to form addition compounds, CNG 31
uses, CNG 43–44
Xenon oxide tetrafluoride ($XeOF_4$)
crystal structure determination of, CNG 34
molecular structure of, CNG 40–43
preparation of, CNG 28
Xenon tetrafluoride (XeF_4)
chemical and physical properties of, CNG 27
costs of, CNG 43
crystal structure determination of, CNG 34
molecular structure of, CNG 35–43
preparation of, CNG 20–23, 26
uses of, CNG 43
Xenon tetraoxide (XeO_4)
chemical properties of, CNG 29–30
molecular structure of, CNG 40–43
preparation of, CNG 29
Xenon trioxide (XeO_3)
chemical properties of, CNG 28–30
molecular structure of, CNG 40–43
preparation of, CNG 28–29
uses of, CNG 44

Yellow cake
(see Uranium concentrate (U_3O_8))
Yost, Don
attempt to react krypton and xenon with fluorine, CNG 10
Ytterbium
atomic number, weight, and symbol, NTG 72
discovery and naming of, REA 12
chemistry and separation of, REA 21, 24–29
electrical conductivity of, REA 37–38
electronic structure of, REA 1–5, 15–20, 22–23
magnetic behavior of, REA 33–37
melting point of, REA 32–33
preparation of, REA 29–31
uses of, REA 39–42
Yttrium
atomic number, weight, and symbol, NTG 72
electronic structure of, REA 22
Yttrium-90
half-life of, NTG 80
Yttrium-91
half-life of, NTG 80

Zinc
atomic number, weight, and symbol, NTG 72
concentration in seawater, AAO 16
electronic structure of, REA 22
isotopes of, NTG 74
price of, REA 11
Zinc-65
reactions for production of, RII 5
uptake from fallout by man, FNT 25–27
Zinn, Walter H.
early work with nuclear fission, FRE 7–8, 10
Zircon
nuclear age determination of, NCL 37–39
Zirconium
atomic number, weight, and symbol, NTG 72
electronic structure of, REA 22
Zirconium-95
half-life of, NTG 80

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